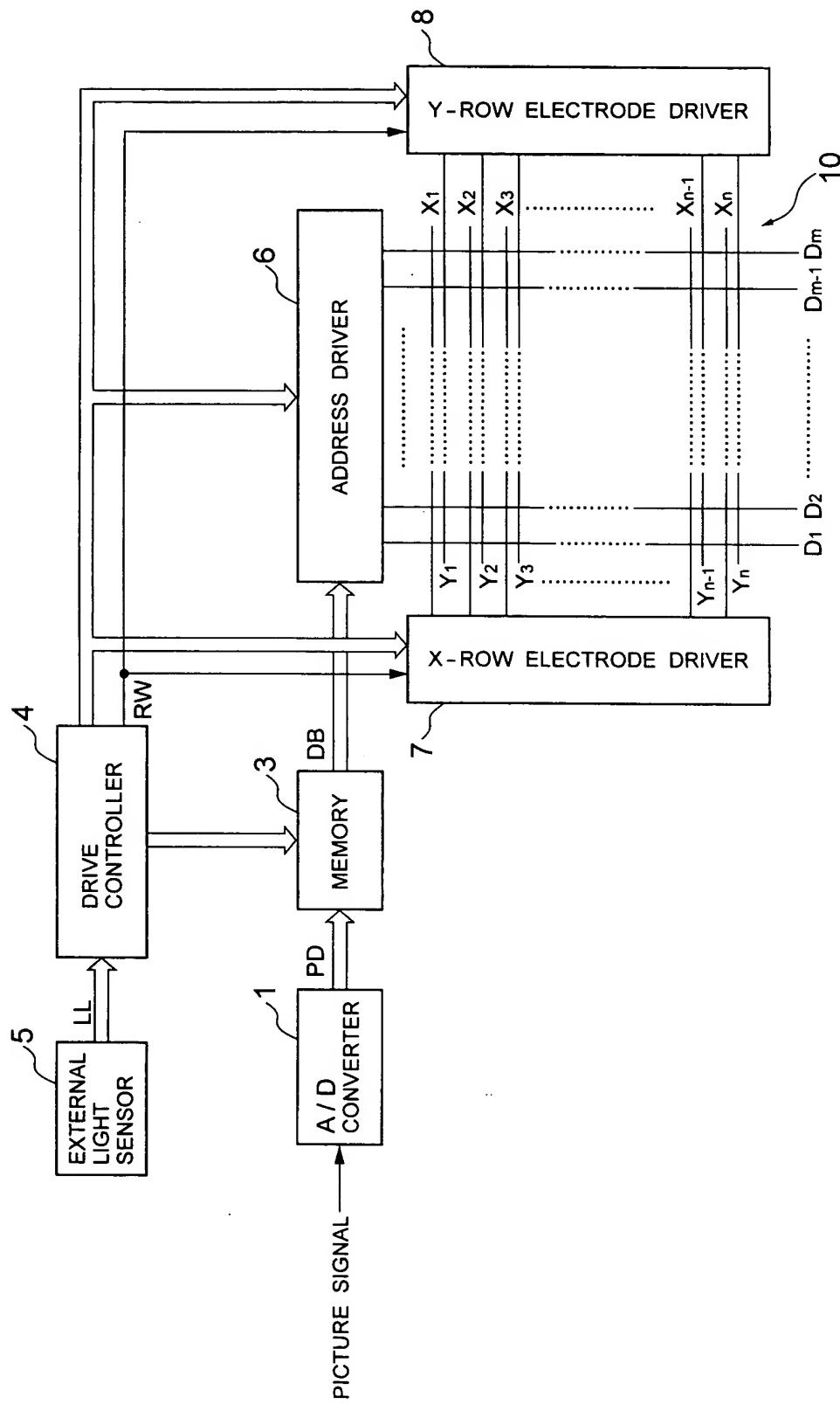


FIG. 1



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FIG. 2

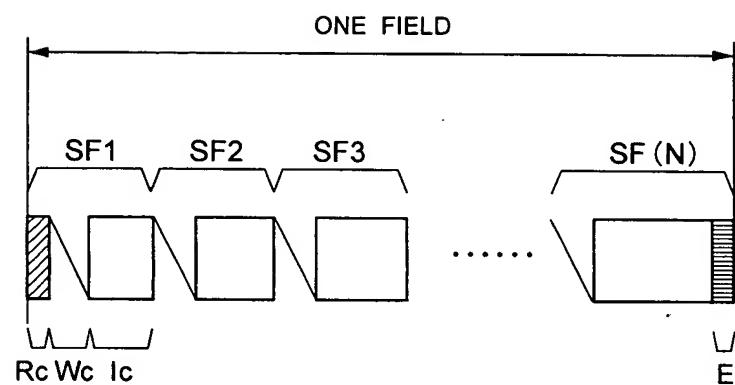
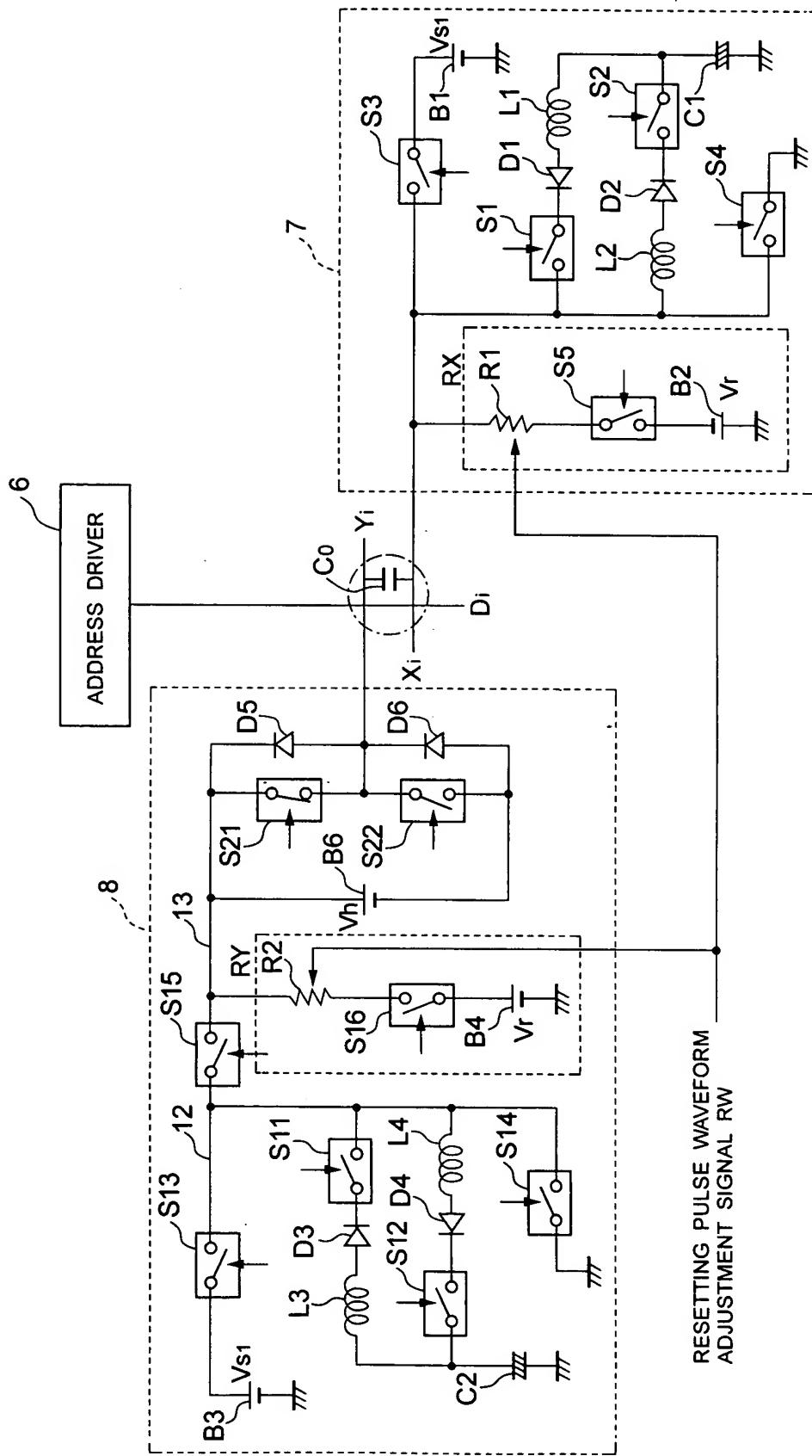
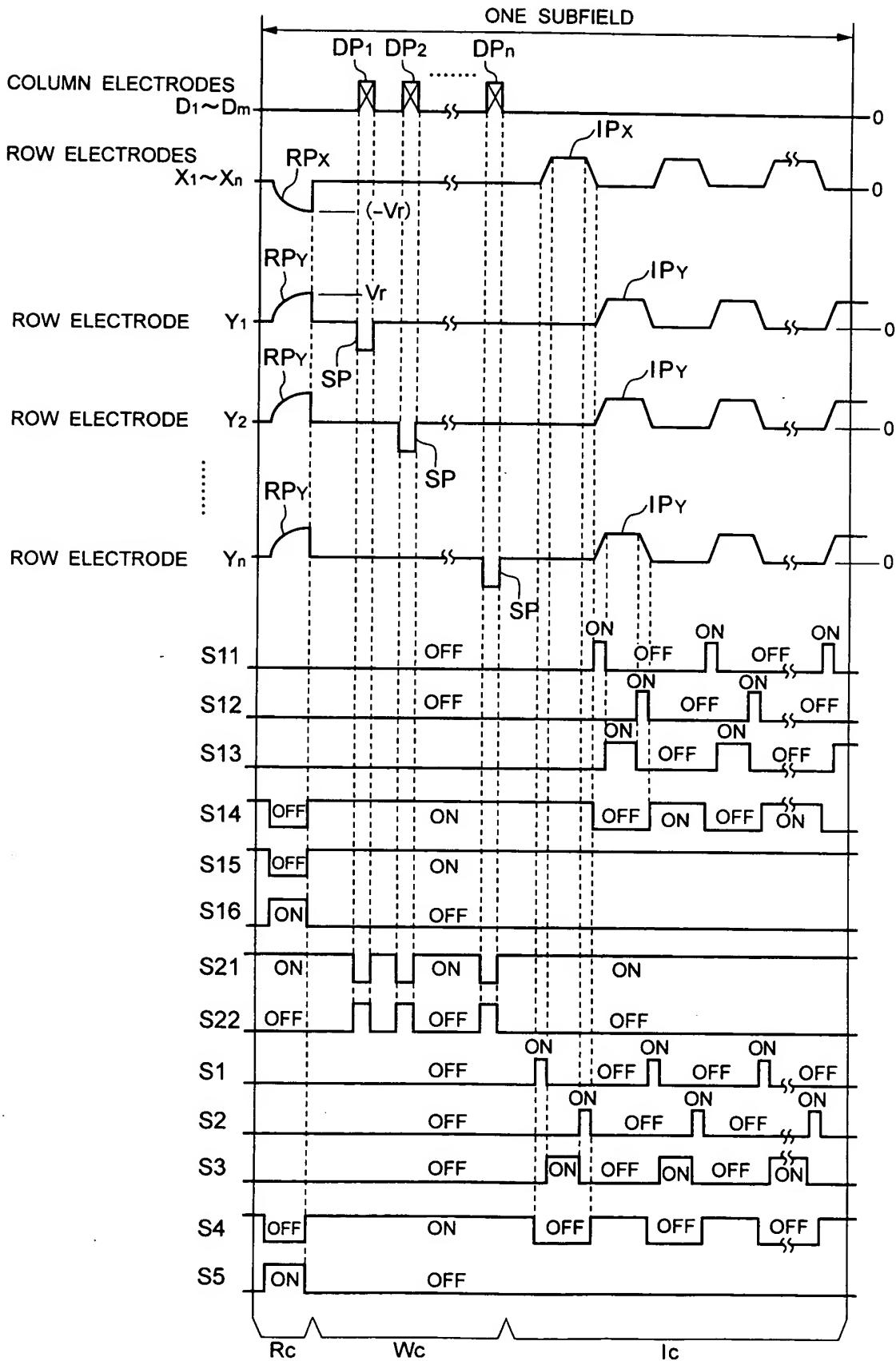


FIG. 3

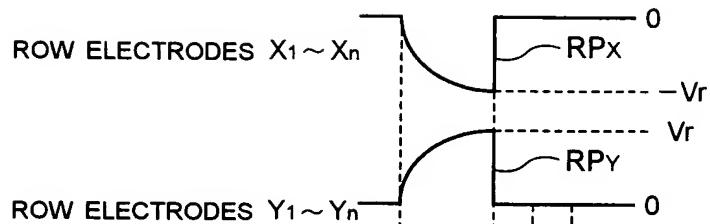


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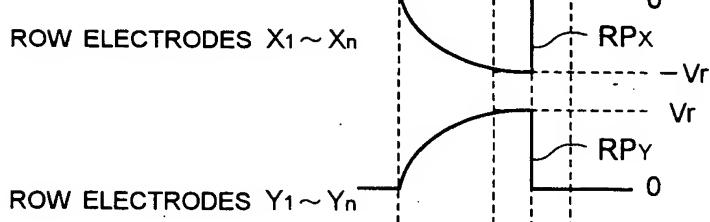
FIG. 4



**FIG. 5A**



**FIG. 5B**



**FIG. 5C**

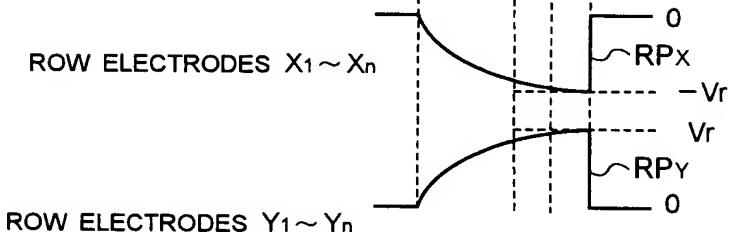


FIG. 6A

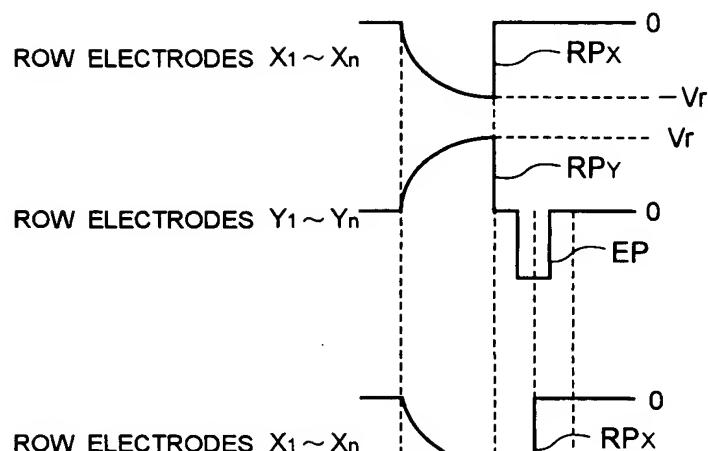


FIG. 6B

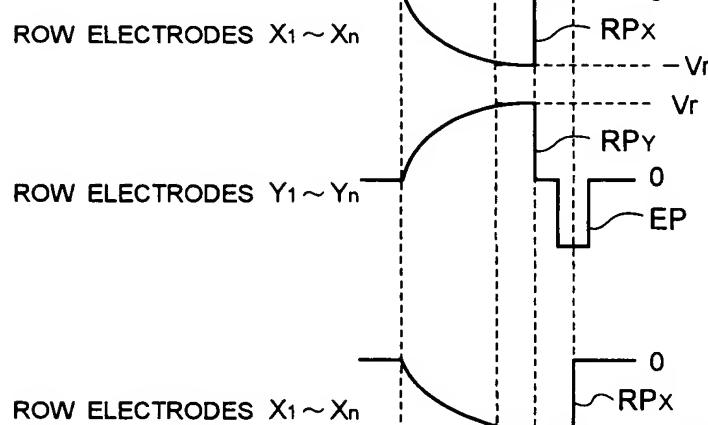


FIG. 6C

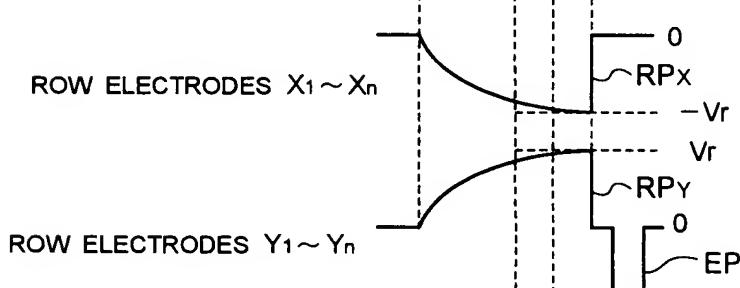


FIG. 7A

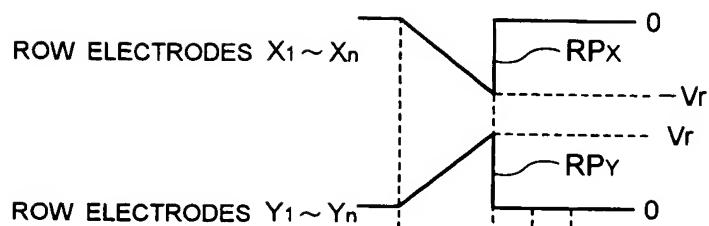


FIG. 7B

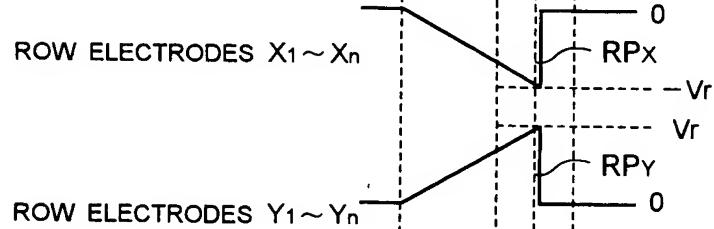
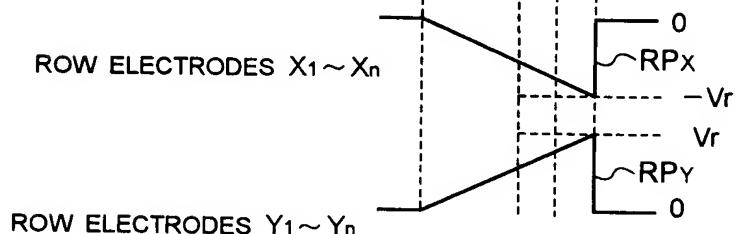
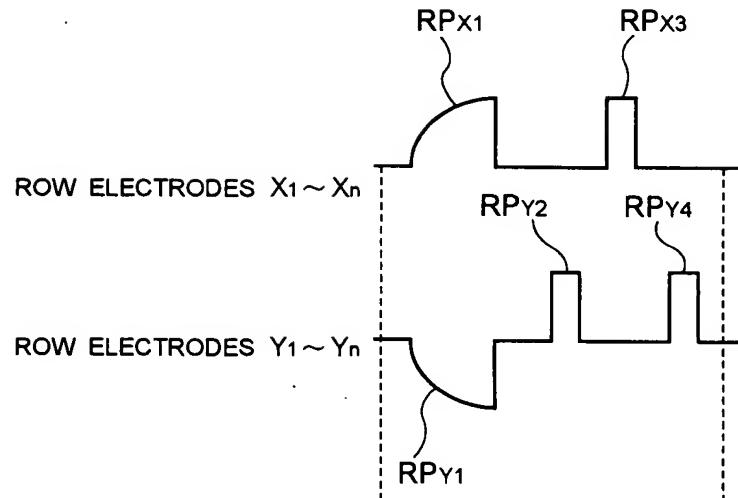


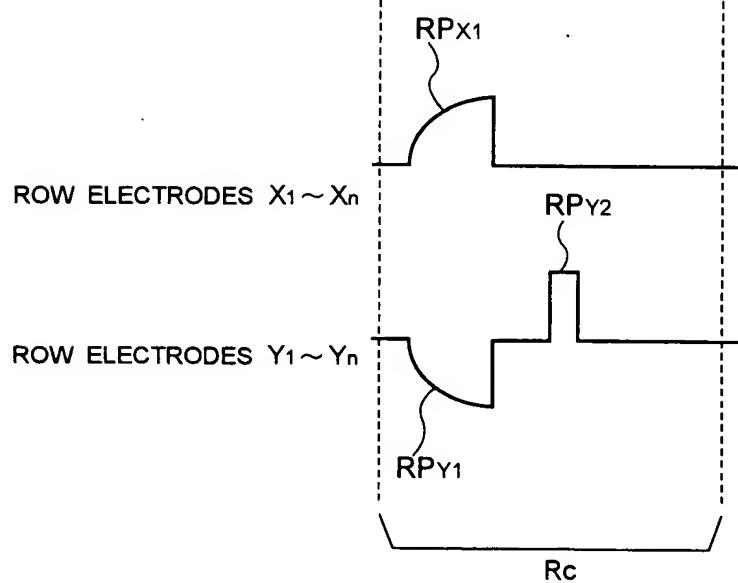
FIG. 7C



**FIG. 8A**



**FIG. 8B**



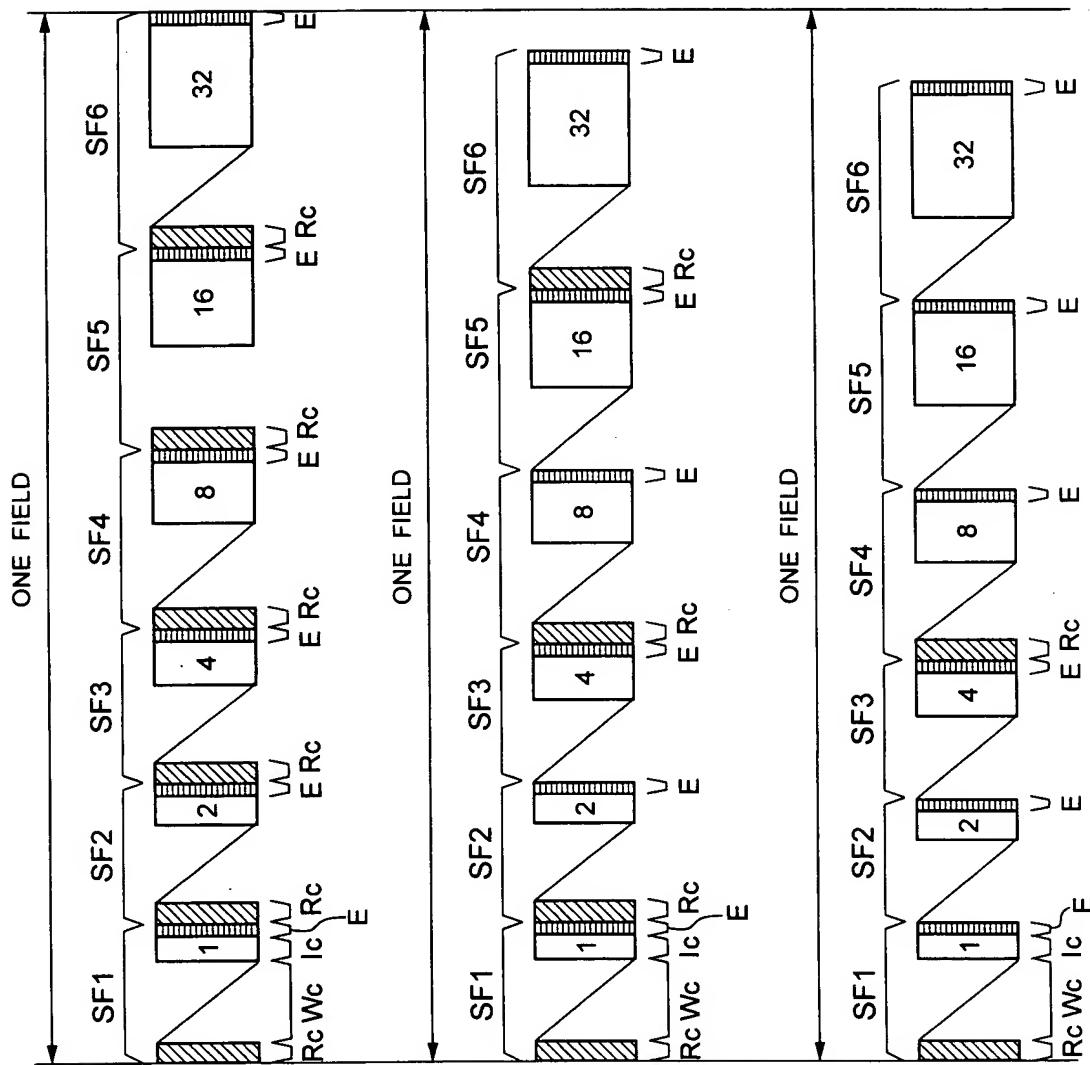


FIG. 9A

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FIG. 10

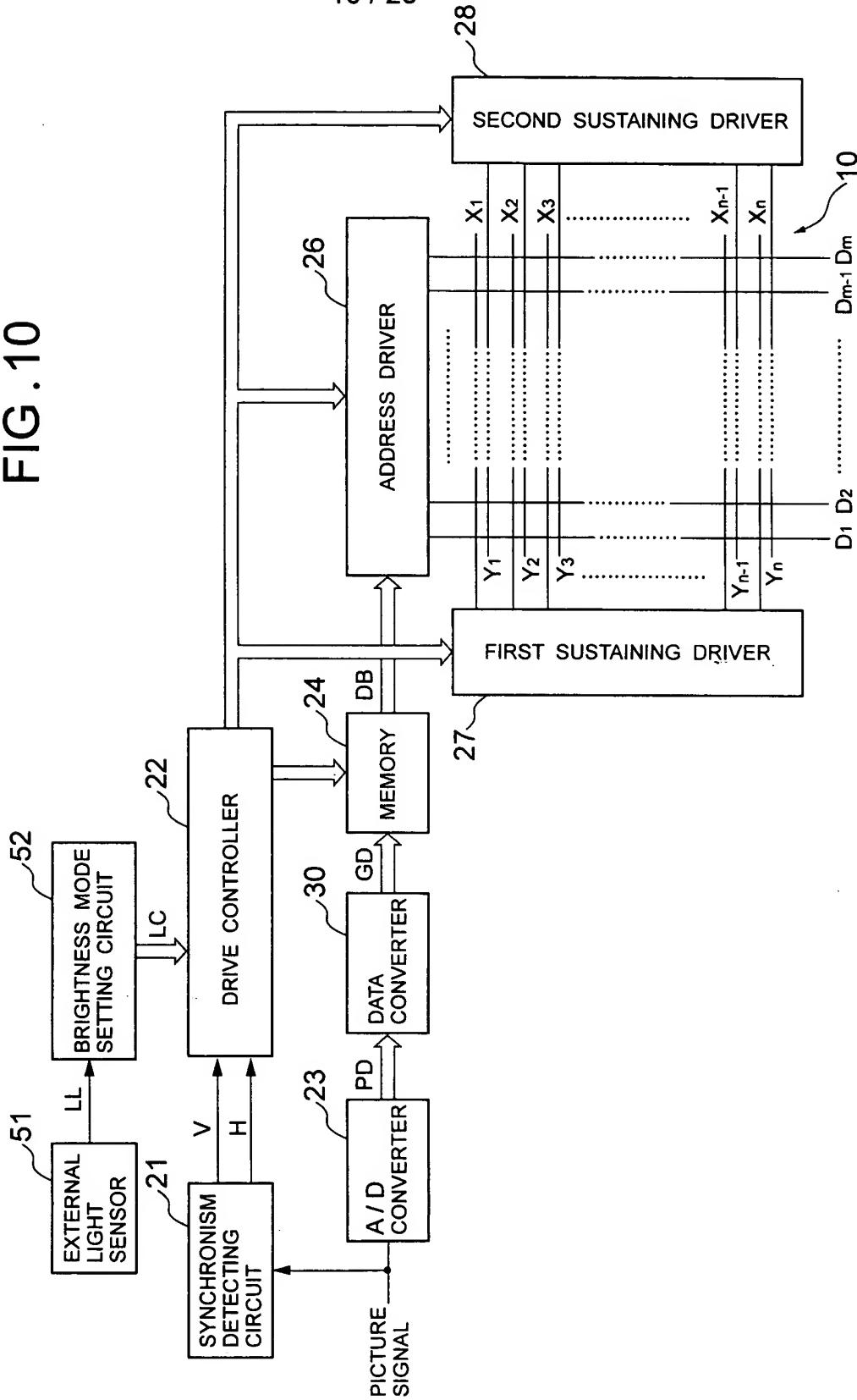


FIG. 11

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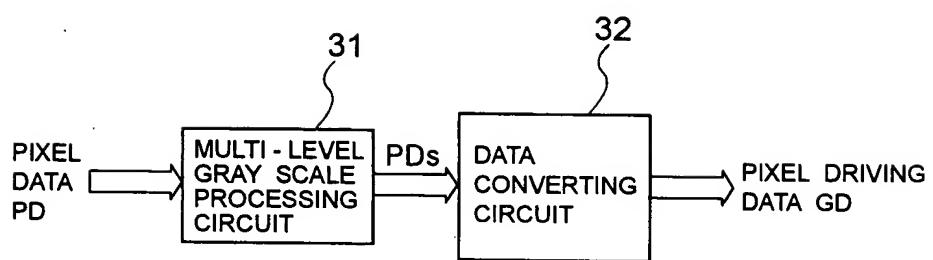


FIG. 12

(SELECTIVE ERASING)

GRAYSCALE LEVELS	DATA CONVERSION TABLE OF DATA CONVERTING CIRCUIT 32								EMISSION DRIVING PATTERN								VISIBLE BRIGHTNESS			
	GD				SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	1	2	3	4
PDS	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	0	0	0
1	0000	1	0	0	0	0	0	0	●	○	○	○	○	○	○	○	0	0	0	0
2	0001	0	1	0	0	0	0	0	●	○	○	○	○	○	○	○	1	2	3	4
3	0010	0	0	1	0	0	0	0	○	○	○	○	○	○	○	○	7	14	21	28
4	0011	0	0	0	1	0	0	0	○	○	○	○	○	○	○	○	47	94	141	188
5	0100	0	0	0	0	1	0	0	○	○	○	○	○	○	○	○	23	46	69	92
6	0101	0	0	0	0	0	1	0	○	○	○	○	○	○	○	○	82	164	246	328
7	0110	0	0	0	0	0	0	1	○	○	○	○	○	○	○	○	128	256	384	512
8	0111	0	0	0	0	0	0	0	○	○	○	○	○	○	○	○	185	370	555	740
9	1000	0	0	0	0	0	0	0	○	○	○	○	○	○	○	○	255	510	765	1020

BLACK CIRCLE: SUSTAIN DISCHARGE EMISSION  
 WHITE CIRCLE: SELECTIVE ERASE DISCHARGE

FIG. 13

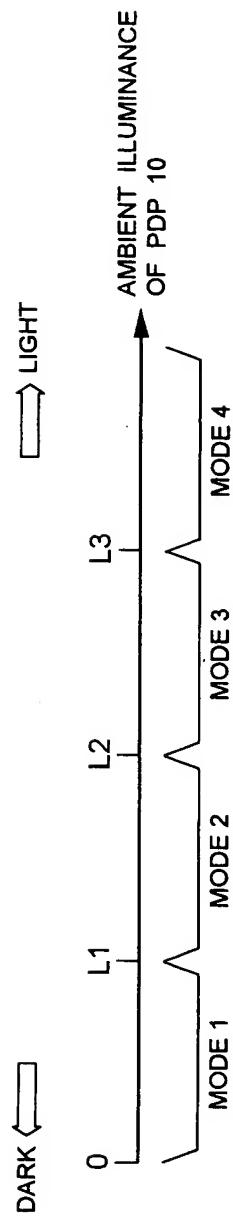


FIG. 14

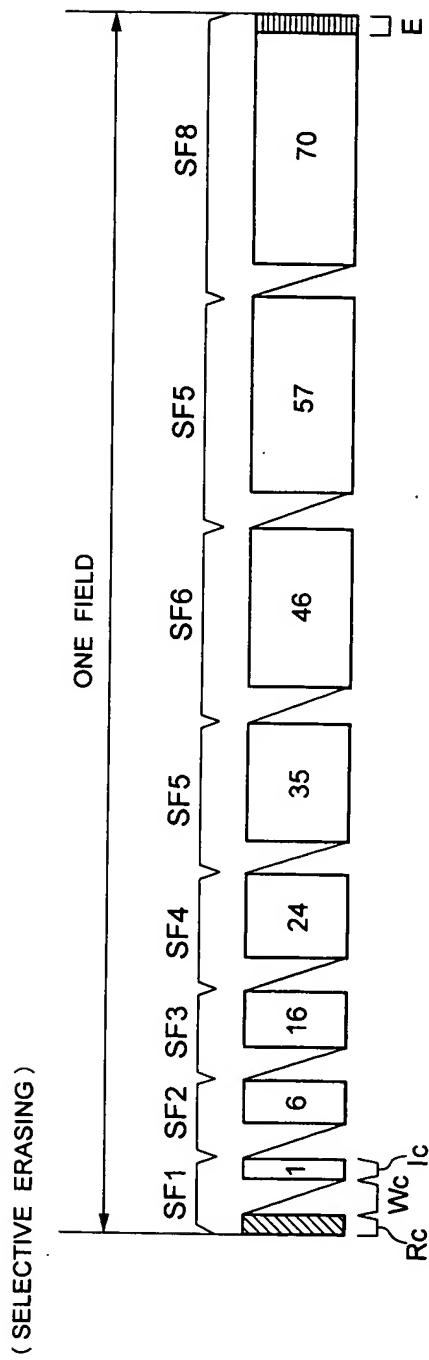


FIG. 15

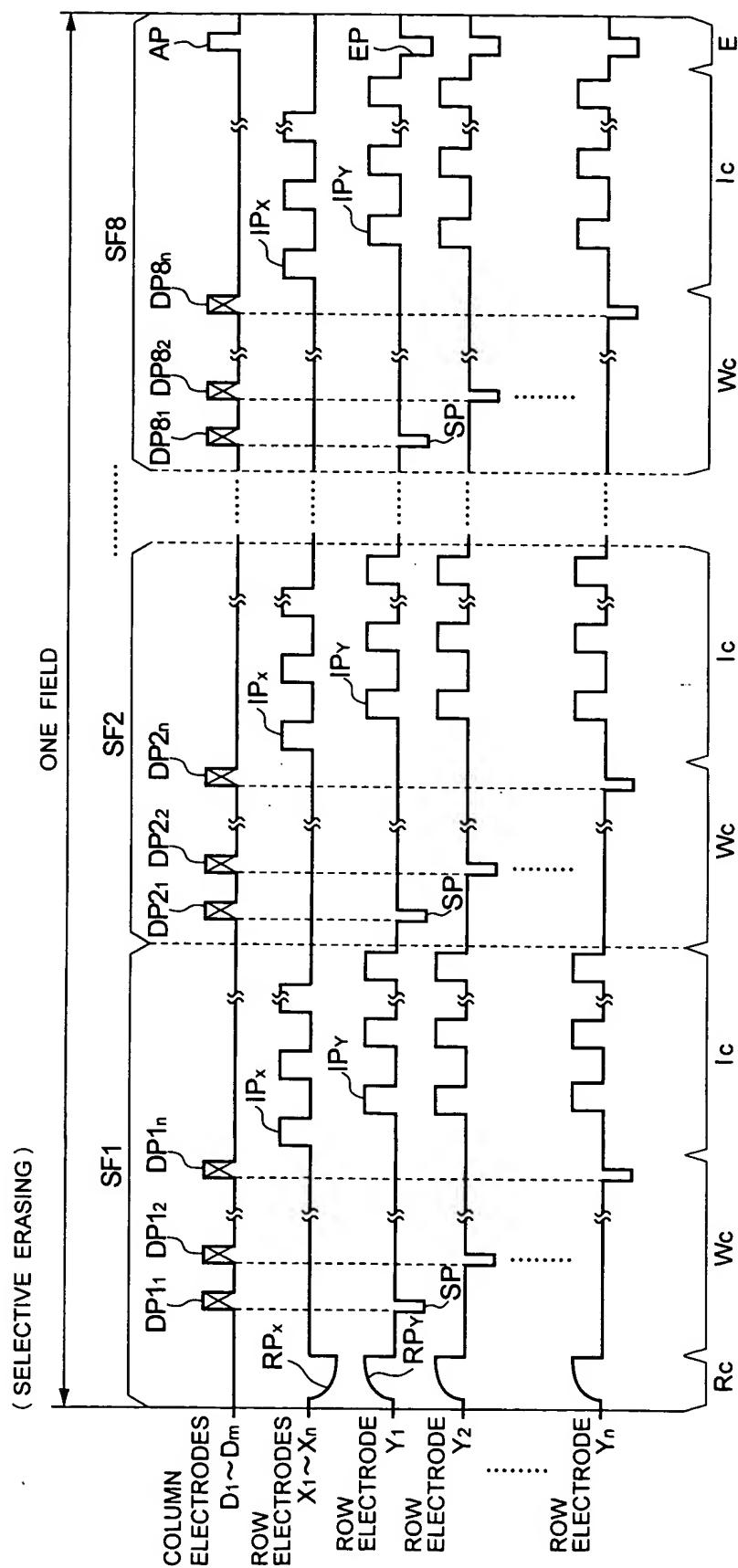


FIG. 16A

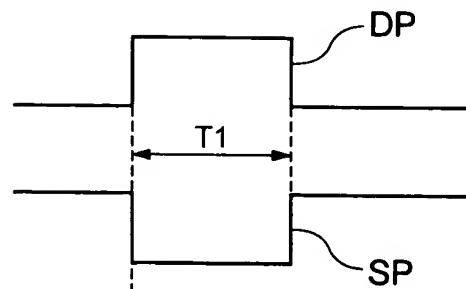


FIG. 16B

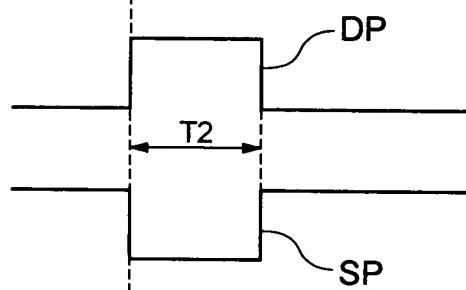


FIG. 16C

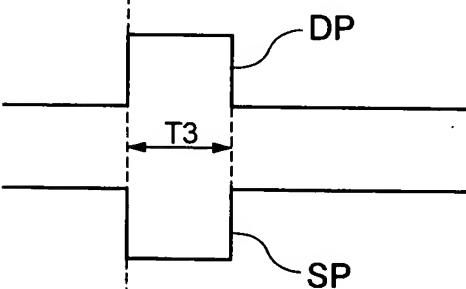
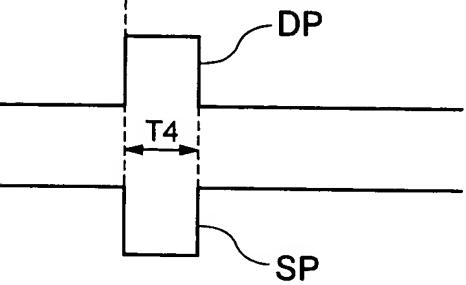


FIG. 16D



$T1 > T2 > T3 > T4$

FIG. 17A

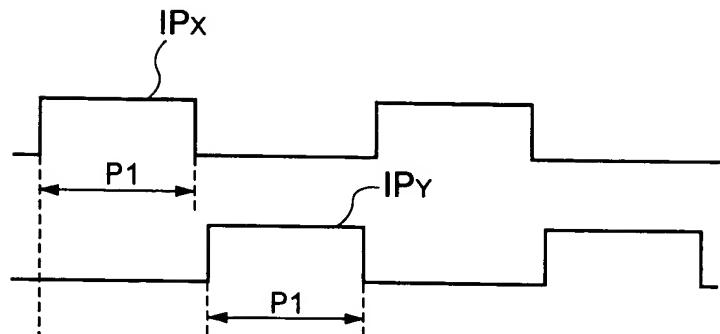


FIG. 17B

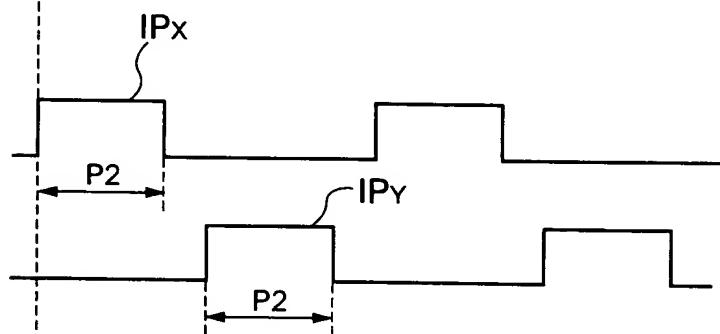


FIG. 17C

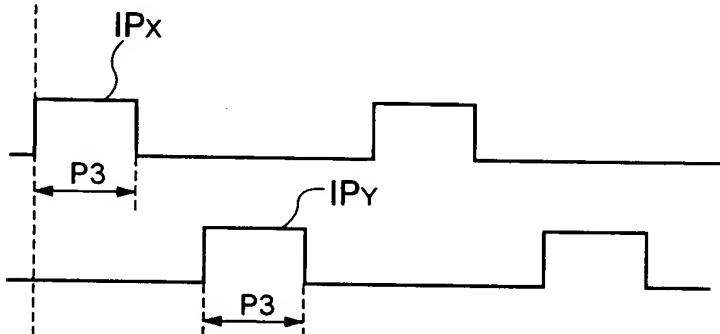
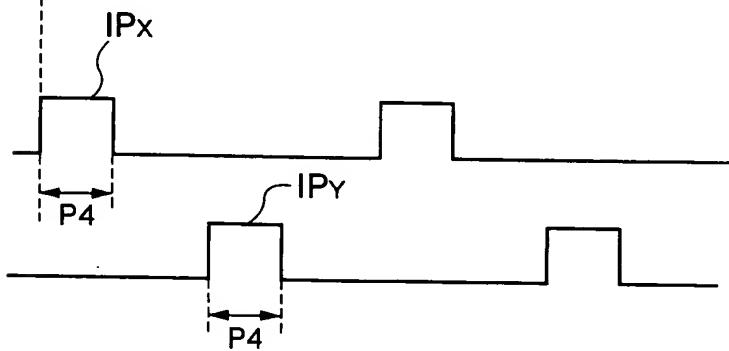


FIG. 17D



$P1 > P2 > P3 > P4$

FIG. 18

LC	SF	SF1	SF2	SF3	SF4	SF5	SF6	SF7	SF8
MODE 1	1	6	16	24	35	46	57	70	
MODE 2	2	12	32	48	70	92	114	140	
MODE 3	3	18	48	72	105	138	171	210	
MODE 4	4	24	64	96	140	184	228	280	

FIG. 19

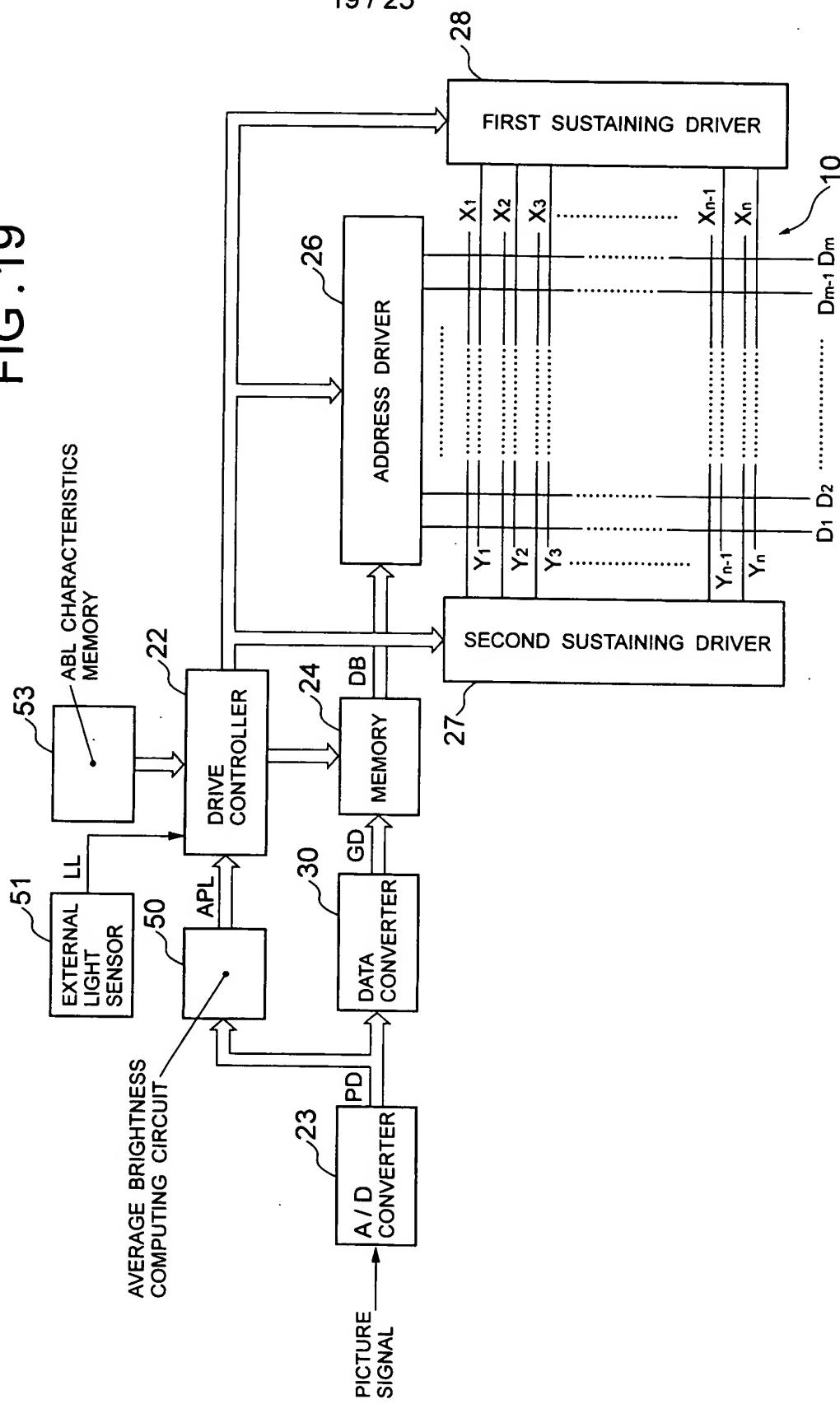


FIG. 20

( SELECTIVE ERASING )

GLAYSCALE LEVELS →

DATA CONVERSION TABLE OF DATA CONVERTING CIRCUIT 32

GD

VISIBLE BRIGHTNESS RATIO

PDs	EMISSION DRIVING PATTERN								SF							
	1	2	3	4	5	6	7	8								
1 0000	1	0	0	0	0	0	0	0	●	○	○	○	○	○	○	○
2 0001	0	1	0	0	0	0	0	0	○	●	○	○	○	○	○	○
3 0010	0	0	1	0	0	0	0	0	○	○	○	○	○	○	○	○
4 0011	0	0	0	1	0	0	0	0	○	○	○	○	○	○	○	○
5 0100	0	0	0	0	1	0	0	0	○	○	○	○	○	○	○	○
6 0101	0	0	0	0	0	1	0	0	○	○	●	○	○	○	○	○
7 0110	0	0	0	0	0	0	1	0	○	○	○	●	○	○	○	○
8 0111	0	0	0	0	0	0	0	0	○	○	○	○	●	○	○	○
9 1000	0	0	0	0	0	0	0	0	○	○	○	○	○	○	○	○

BLACK CIRCLE: SUSTAIN DISCHARGE EMISSION  
 WHITE CIRCLE: SELECTIVE ERASE DISCHARGE

FIG. 21

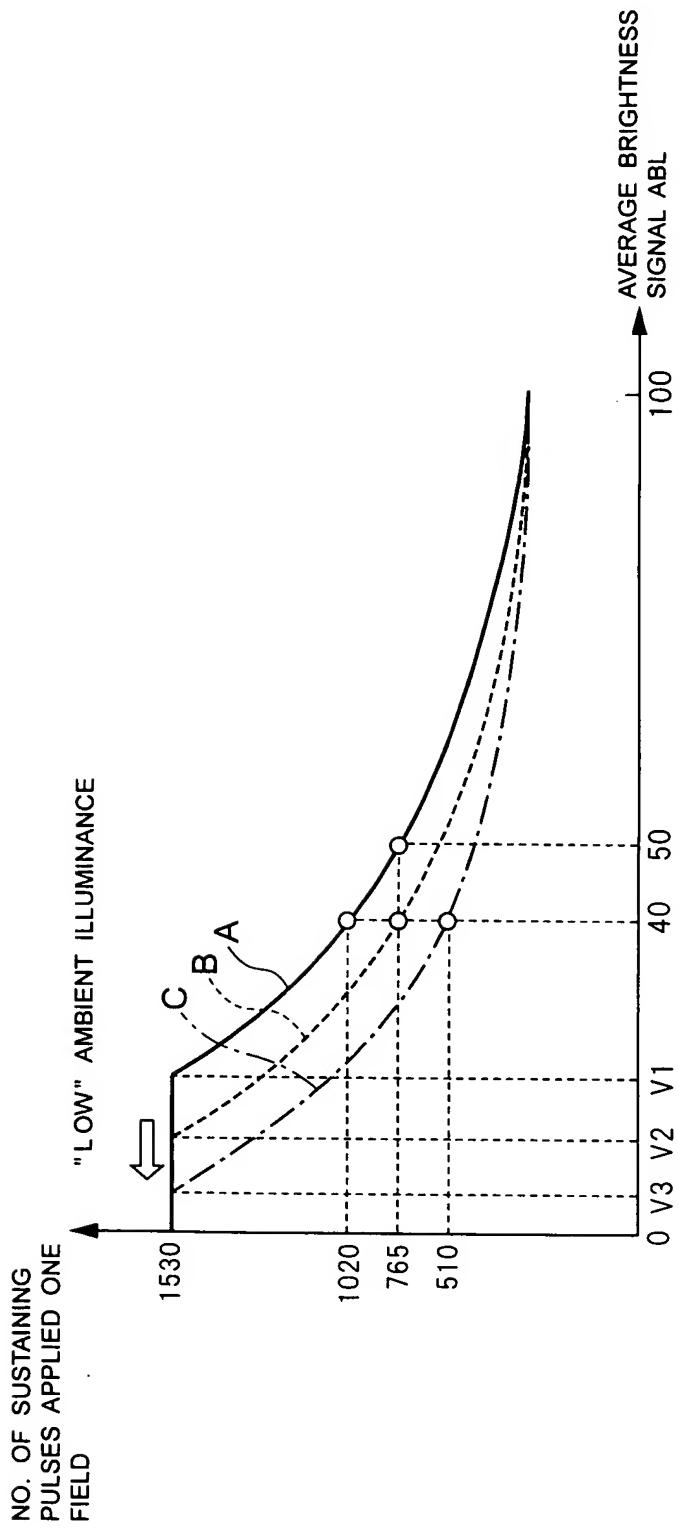
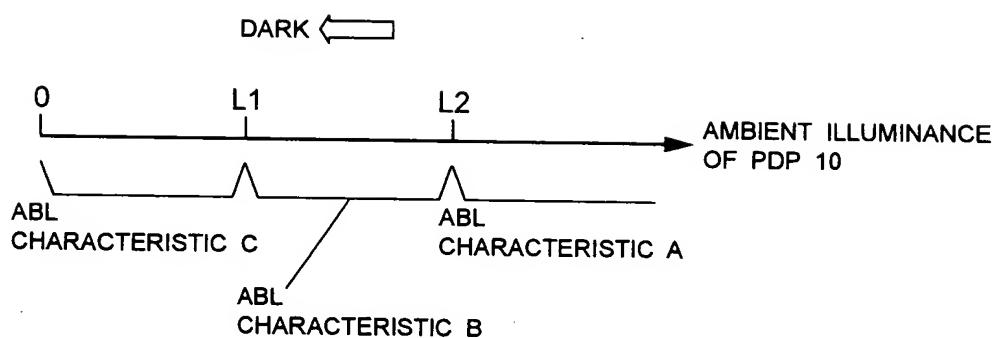


FIG. 22



## FIG.23

AVERAGE BRIGHTNESS LEVEL OF PICTURE "40"



AMBIENT ILLUMINANCE OF PDP 10	NO. OF SUSTAINING PULSES	SF1	SF2	SF3	SF4	SF5	SF6	SF7	SF8
LOW	510	2	12	32	48	70	92	114	140
INTERMEDIATE	765	3	18	48	72	105	138	171	210
HIGH	1020	4	24	64	96	140	184	228	280

FIG. 24A

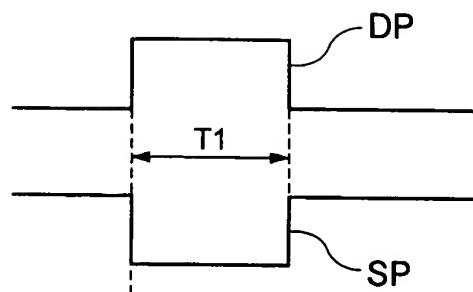


FIG. 24B

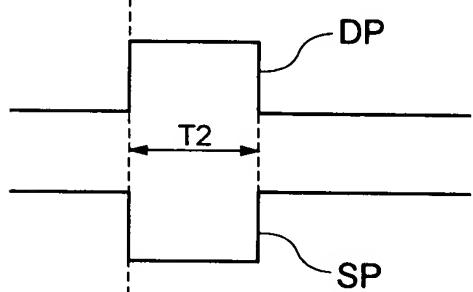
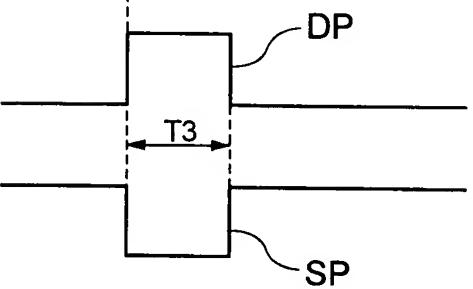


FIG. 24C



$T_1 > T_2 > T_3$

FIG. 25A

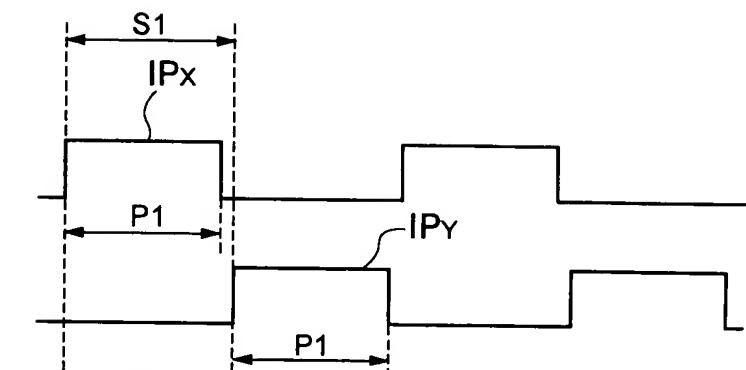


FIG. 25B

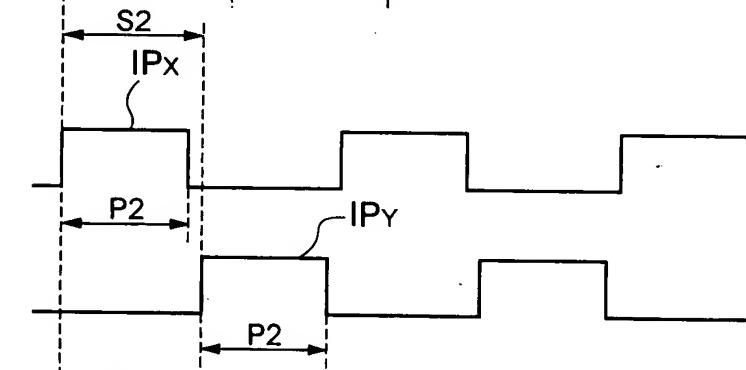
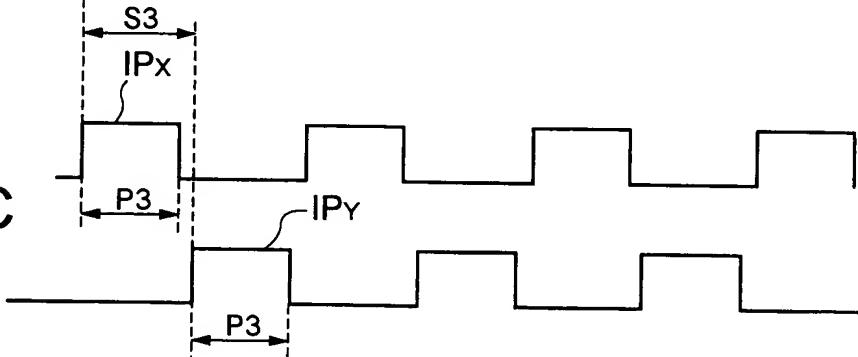


FIG. 25C



$P1 > P2 > P3$   
 $S1 > S2 > S3$